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September 6, 2002

EX PARTE

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street, SW  
Washington, DC 20554

RE: Commercial Availability of Navigation Devices, CS Docket 97-80

Dear Ms. Dortch:

On September 6, 2002, Chris Crafton, Jeanine Poltronieri, Mark DePietro and Dwight Sakuma of Motorola met with Thomas Horan, John Wong, Susan Mort, Peter Corea, Mike Lance, Steve Broecker; and Ronald Parver of the Media Bureau and Rick Chessen, Chair of the DTV Task Force.

In the meeting, Motorola representatives expressed their view that Motorola equipment enables the DTV transition. They discussed the feature sets and functionality of Motorola equipment, including the DCP 501, the DCT 5100 and the DCT 2020. Motorola also discussed various retail initiatives related to these products. Motorola reiterated its view that consumers be allowed the choice of integrated security equipment as well as pod/host separated security equipment at retail.

Copies of the materials distributed to Commission staff are attached to this letter. Please contact Jeanine Poltronieri at (202) 371-6896 should you have any questions on this matter.

Respectfully Submitted,

Jeanine Poltronieri  
Motorola, Inc.

Attachment

cc:

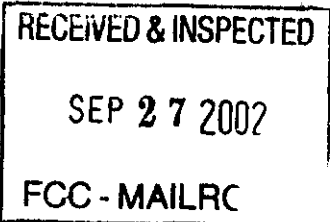
Thomas Horan  
John Wong  
Susan Mort  
Peter Corea  
Mike Lance  
Steve Broecker  
Ronald Parver  
Rick Chessen

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## Motorola Equipment *Enables* the DTV Transition

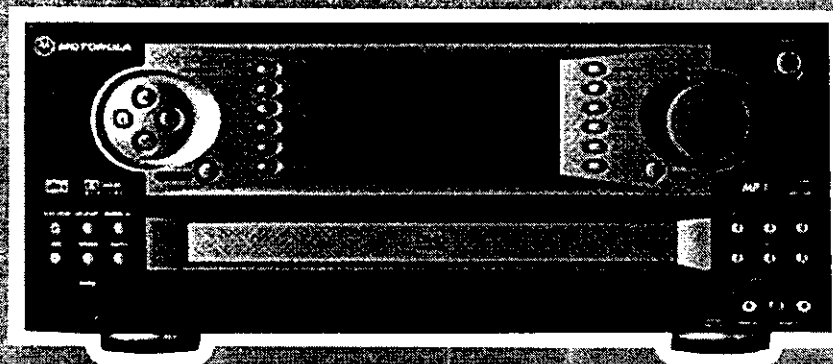
- *On DTV Transition Products:* Motorola is a market leader in the design and manufacture of *both* embedded security and separated security DTV equipment.
- *On High Definition Decoding:* Motorola builds cable set top terminals with high definition decode capability.
- *On Licensing of Proprietary Technology:* Motorola licenses its conditional access security to Pace and Panasonic.
- *On "POD" Design and Manufacture:* Motorola builds separated security set top terminals, i.e., builds *both* hosts and pods, using CableLabs' OpenCable process.
- *On "Plug-and-Play":* Motorola supports pod-enabled DTV receivers without the use of a set top terminal.
- *On Retail Sale:* Motorola builds cable set top terminals for sale in commercial retail outlets including:
  - Set top terminals with added features such as DVD players
  - The same digital set top terminals as the ones leased from cable operators
  - Pod-host configured terminals.
- *On Copy Protection:* Motorola will offer both 1394 and/or DVI digital connectors with its set top terminals; has signed the PHILA license; contributed encryption technology to the CableLabs effort; and supports robust copy protection technologies.

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# ONE REMOTE. ONE POWER CORD. ONE SMART UNIT.

## INTRODUCING THE MOTOROLA DCP 501 ALL-IN-ONE HOME THEATER SYSTEM.

Digital cable receiver  
6x100-watt channels  
AM/FM stereo receiver  
Dolby® Pro-Logic II  
Dolby® Digital



DVD/CD/MP3 player  
DTS®  
One remote  
One power cord  
MSRP \$899

*from Cox Communications  
when you purchase a DCP501 at one of the following retailers:  
Domes (Chesapeake, VA) or AudioConnection (Virginia Beach,  
VA) or Call 1866-MOT-BCS1 (866-668-2271).*



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\*Internet access, Video-on-Demand, Email, Digital Music and Pay-Per-View are subscription services offered by your local cable TV provider. MOTOROLA and the Stylized M Logo are registered in the US Patent & Trademark Office. All other product or service names are the property of their respective owners. Dolby is a trademark of Dolby Laboratories Licensing Corporation. © Motorola Inc. 2002.

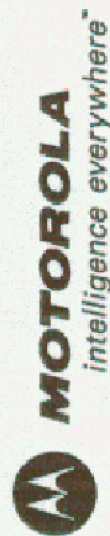




WHY WATCH TV  
WHEN YOU CAN  
WATCH, LISTEN,  
PLAY AND  
INTERACT?

**[DCP501]**

Home Theater System



- ☐ Digital cable receiver
  - ☐ delivers up to 200 channels of programming
  - ☐ electronic program guide
  - ☐ multiple Pay-Per-View channels
- ☐ DVD/CD/MP3 player
- ☐ 5x100 watts per channel amplifier, 20Hz to 20KHz, 0.9THD
- ☐ AM/FM stereo receiver
- ☐ Plays CDs, CD-Rs, CD-RWs encoded discs
- ☐ Dolby® Digital, Dolby® Pro Logic I & II, DTS® decoding
- ☐ One remote controls everything
- ☐ Easy Plug n' Play installation



# THE DCP501 DOES THE ONE THING PEOPLE WANT. EVERYTHING.



## [More Choices]

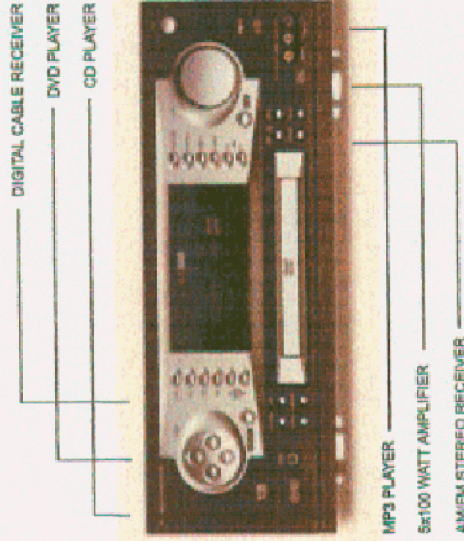
Why should consumers just watch TV when they can watch, play, listen and interact? With the DCP501 they can enjoy hundreds of channels of digital programming\*, watch a video on demand movie, or a pay-per-view event, surf the Internet, plug in a game console or listen to digital music without the commercials. If that isn't enough, at a touch of a button, consumers can watch a DVD or listen to music from the radio or a CD. It's all of the features consumers now demand - all in one.

## [High Performance]

Looking for the ultimate in home theater? Try Dolby® Digital, Dolby® Pro Logic II and DTS® decoding plus full 5.1 amplification. Motorola's DCP501 has Tripath Class T digital audio amplification for maximum performance.

## [The Power of 6, In One]

In less space and with plug-and-play installation, Motorola rises to the occasion and delivers to consumers a simplistic way to enjoy home entertainment. Six space-hogging components are integrated into one



streamlined and easy-to-use device; Digital Cable Receiver, DVD, CD and MP3 Player, high performance Amplifier and AM/FM Stereo Receiver. Seamless, integrated and compact.

## [Benefit Driven]

What does all of this mean for cable providers and retailers? Increased traffic, consumer loyalty, increased digital penetration, decreased churn factor, add-on services, value-added sales and Motorola support.

Find out more today about the power of 6 (in one) at [www.motorola.com/DCP](http://www.motorola.com/DCP).



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[DCP501]



HOME THEATER SYSTEM

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# [DCP501 Home Theater System]

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> Multiple I/Os for CD,  
DVD, VCR

- > Front AV input includes Toslink digital input
- > Dolby® Digital, Dolby® Pro Logic II, DTS®

> Technical Support  
1.866.MOT.BCS1  
(866.668.2271)  
7am to 11pm EST

- Digital Cable Receiver**
- > 50-850 Mhz Tuner, supports clear analog, 64 and 256 QAM clear and encrypted digital cable services
  - > Digicipher® II Access Control, compatible with Motorola-enabled digital cable services in both two-way and telephone return cable systems
  - > Supports Motorola DCT2000 digital cable applications
  - > 8 bit graphical user interface
  - > TV Pass Card slot for upgradeable security

## DVD/CD/MP3 Player

- > Single Disc Tray
- > Compatible with DVD, CD, CD-R, CD-RW discs
- > Plays MP3-encoded discs

## AV Receiver Amplifier

- > High Performance Tripath Class-T amplifiers, delivering all 5 channels at 100W each
- > Dolby® Digital, Dolby® Pro-Logic II and DTS® DSP Sound Effects: 6 modes
- > 1 Coax (user assignable) and 2 Toslink (1 fixed, 1 user assignable) digital audio inputs
- > 48 kHz 24 bit Analog-to-Digital and 96 kHz 24 bit Digital-to-Analog audio converters
- > NTSC Decoder with digital adaptive comb filter, converts all composite video signals to S-Video
- > S-Video and Composite video outputs to the TV/Monitor, active for all input video sources
- > Front Audio/Video input includes Toslink digital audio input
- > Digital audio inputs auto-detect
- > Headphone output
- > Pre-amplifier outputs
- > Universal remote for TVs and VCRs

## Specifications

- > RMS Output Power 5x100 Watts
- > Frequency Response 20 Hz to 20 kHz,  $\pm$  1 dB
- > Harmonic Distortion 0.1% THD+N at 1 kHz 2 channel, less than 0.1% THD+N at 1 kHz 5 channel, less than 0.9% THD+N at 1 kHz
- > Audio Signal-to-Noise Ratio 95 dB, A-Weighted NTSC
- > Video Signal Type Composite Video Signal Level 1 Vp-p, 75 $\Omega$
- > S-Video Signal Level Y: 1 Vp-p, 75 $\Omega$  C: 0.286 Vp-p, 75 $\Omega$
- > Video Signal-to-Noise Ratio >57 dB (Digital), >49 dB (Analog)

## Rear Panel Inputs

- > RF Cable TV input
- > FM tuner input
- > AM tuner input
- > VIDEO Composite & S-Video - VCR1, VCR2, Video1
- > AUDIO Left/right base band - VCR1, VCR2, Video1, Tape
- > OTHER Toslink Connector, assignable SPDIF coaxial, assignable Expansion port - can be used with Motorola HDD200 decoder for HDTV

## Rear Panel Outputs

- > VIDEO Composite & S-Video - VCR1, VCR2, TV (active for ALL video sources)
- > AUDIO Front left, center, front right, rear right, rear left speakers
- > Subwoofer output for powered subwoofer
- > Left/right baseband - VCR1, VCR2, Tape
- > Front left, center, front right, rear right, rear left preamplifier outputs

## Miscellaneous

- > Power Requirements 120 VAC/60 Hz
- > Weight (without packaging) 35 pounds
- > Dimensions 17"(W) x 6.1"(H) x 20"(D)
- > Included Accessories: AM & FM antennas, Universal Remote, 6' base band cable, 6' S-Video cable, and 6' coaxial cable

## Front Panel Outputs

- > Headphone jack
- > Vacuum Fluorescent Display (VFD)
- > Toslink Connector
- > Left/right audio base band

## Front Panel Inputs

- > Keypad
- > IR receiver
- > Composite video base band

Digital Cable and interactive services such as Video-on-Demand, electronic program guide, internet access, email, digital music are subscription-based services offered by your local cable TV provider. Contact your local cable provider for rates and availability of these services. Services may vary by provider.

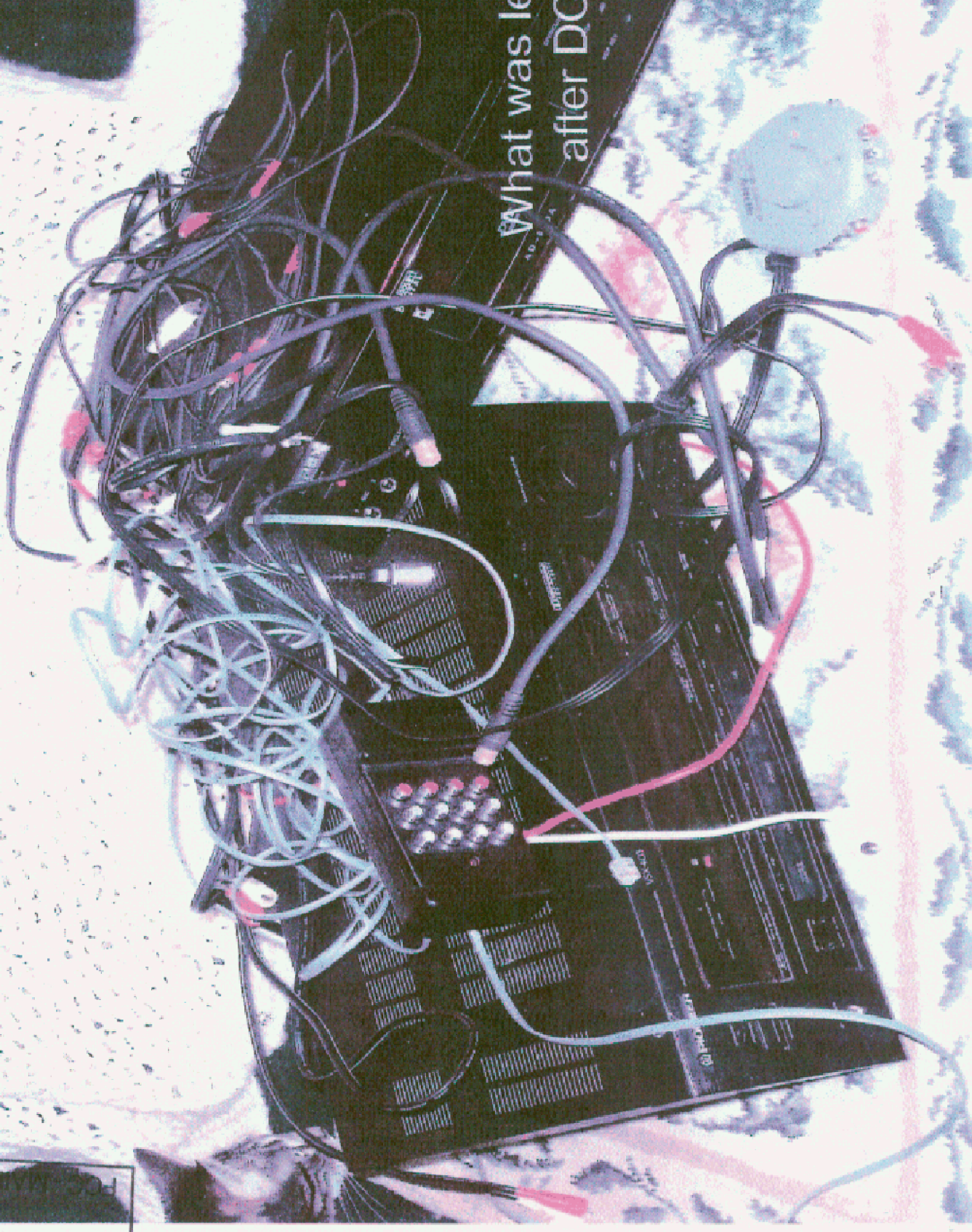
\*\*Speakers are not included

Notes: Features, Specifications and Accessories subject to change without notice. MOTOROLA, the Stylized M Logo and all other trademarks indicated as such herein are trademarks of Motorola, Inc. ©2002 Motorola, Inc. All rights reserved. Printed in the U.S.A.

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What was leftover  
after DCP 501  
install



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# MOTOROLA DCT5100

## PRODUCT FEATURES

### DESCRIPTION

- Triple tuner architecture supports simultaneous Internet protocol (IP) connection while processing digital HD video and audio ("watch, talk 'n surf")
- Digital decode of HD video / audio content
- Built in DOCSIS modem for high speed interactivity
- Robust CPU, memory footprint, 3D graphics to run advanced applications and middleware

### STANDARD FEATURES

- MPEG-2 Digital Video Processor
- Integrated High Definition decoder with YPaPr component output
- ATSC Standard Dolby (AC-3) Audio Processor
- ITU standard 64/256 QAM/FEC/enhanced adaptive equalizer
- DOCSIS 1.0 / 1.1 capable integrated cable modem
- Two 54-860 MHz Tuners
- Frequency agile 2.048Mbps out-of-band data receiver
- 300+ MIPS, RISC-based microprocessor
- 32 bit, 2-D / 3-D graphics
- Analog/digital video scaling (Picture in Graphics)
- 16 MB Flash, 64 MB DRAM standard unified memory
- Clear Analog Channel Processor with BTSC Decoder
- DES Based Encryption/DCII Access Control
- PCM, AC-3, Dolby 5.1 Prologic Digital audio capability
- IDE Hard Drive Controller Interface
- Digital Diagnostics
- Macrovision Copy Protection
- Full Feature Access From Front Panel
- Switched Accessory Outlet

### STANDARD INTERFACES

- RF and Baseband Output (Video, L/R Audio) Ports
- Three USB connectors (one on front panel)
- 10 Base-T Ethernet Port (RJ45 Connector)
- Smart Card Interface Connector (E-Commerce)
- YPaPr component output
- Front and rear panel L/R audio and video inputs
- S-Video Output
- Optical and electrical SPDIF / Dolby Digital connectors
- TVPASS™ renewable security connector
- IR Blaster Port
- Audio loop through connectivity
- 4 digit, 7 segment LED display with IR receiver for remote or/and keyboard

### OPTIONAL FEATURES

- 1394 "Firewire" digital interface (dual connector interface)
- RF Bypass or A/B switch
- Internal IDE hard drive
- Expansion DRAM (up to 128 MB)
- Expansion FLASH (up to 32 MB)
- HPNA interface
- DVI interface
- Universal remote (DRC 400)
- Keyboard

The product features set forth above are subject to change by Motorola Inc.  
DCT5100 Rev\_4 July.01.2002



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Holding Co. (SHC) for \$502.5 million. Gray official said company expected to close on SHC stations (subsidiary of Benedek Bestg.) by end of month and said Benedek Pres. James Yager would assume same position with Mid-America Bestg. subsidiary to be established by Gray. Purchases give Gray 29 TV stations in 25 markets.

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FCC issued forfeiture order of \$20,000 against Charter Communications, saying company had committed willful and repeated violations of Commission rules on signal leakage standards. Case involved company's Burlington, Colo., system. FCC said Charter also failed to comply with order to cease operations. Company had argued it had just recently acquired system and did all it could to fix leakage problems. Company also said it didn't receive order to cease operations immediately because some employees weren't in office at time, but instead were at hotel. FCC didn't accept those arguments.

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Cox announced launch of HDTV in its Phoenix market. That is Cox's 2nd of several commercial HDTV deployments planned for 2002. In Phoenix, Cox's initial HDTV lineup includes ABC (KNXV, Ch. 15) and PBS (KAET, Ch. 8) affiliates, 2 channels of HBO HD, Showtime HD and Discovery High-Definition Theater. Cox is selling Scientific-Atlanta 3100 HD converters for \$499.95 and is installing boxes for one-time charge of \$49.95. Cox said there would be no additional monthly charge for ABC and PBS high-definition channels. Customers who purchase HD converter box and subscribe to HBO and/or Showtime automatically will receive corresponding high-definition channel or channels. Discovery High-Definition Theatre is sold a la carte for \$6 per month. Phoenix is first Cox location where customers will be able to own all of equipment necessary to receive HD.

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Radio Ad Bureau (RAB) said it had joined 2 other groups in establishing 2-tier verification method "to achieve the highest possible level of credibility" in reporting radio revenue. Partners are Nationwide Revenue Measurement Advisory Committee and Miller, Kaplan, Arase & Co. Effort will include random verifications of monthly revenue reports from selected stations and formation of special task force for "rapid response to troubleshooting situations," RAB said. About 40 stations will be selected for on-site verification of their revenue reports quarterly, RAB said.

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Nationwide window opens Fri. for Nov. general election during which time TV and radio stations are prohibited from charging candidates more than their lowest unit rate (LUR) for each daypart. Law kicks in 60 days before general elections, 30 days before primaries. Nov. 5 will be last general election under current requirements, with campaign reform "electioneering communication" (CD Aug 29 p1) legislation becoming law next day.

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Grupo Televisa board approved repurchase of up to \$400 million of company's common stock, firm said. Purchases can be made over next 3 years.

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Media Institute's Cornerstone Project plans lunch panel discussion on unauthorized disclosure of classified govt. information Sept. 23, St. Regis Hotel, Washington. Scheduled panelists include RTNDA Pres. Barbara Cochran, former CIA Gen. Counsel Jeffrey Smith and journalist-author Scott Armstrong. Bush Administration hasn't responded to invitation.

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Cable in Classroom said it selected 10 teachers from across country to act as advisers on technology in schools. Each teacher adviser named will serve 1-year term, during which he or she will contribute to development of new programs, tools and resources that use variety of technologies, CIC said.

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Weather.com, which is affiliated with Weather Channel, said it had developed downloadable Doppler radar application for wireless phones. Radar images, updated every 5 min., are labeled with city names to help viewers pinpoint their location on maps. Users also have ability to zoom in for 75-mile view of location to ascertain current weather conditions or zoom out to 1,200 miles. Currently, wireless radar from Weather Channel is available only to Sprint wireless customers with Vision-enabled PCS Phones. However, company plans to provide service through other major U.S. carriers. Weather Channel also recently finalized new partnerships with Mazingo and MobiMate expanding its offerings on PDAs and, through Mazingo, introducing video forecasts via mobile devices for first time.

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Sony unveiled Internet-enabled "Cocoon" hard disc recorder that will ship in Japan Nov. 1 starting at \$1,199. Recorders were developed using technology licensed from TiVo, but also included in-house R&D. Recorder contains 160 GB hard drive and is capable of recording up to 15 hours of high-definition (HD) programming or 100 hours of standard definition (SD). Product will include option of increasing capacity to 340 GB with hard drives. When connected to broadband service, recorder accesses program information online and records programs that match preferences selected from 44 keywords. — MS

